

What is claimed is:

1. An image forming apparatus adapted to form a fixed toner image on a recording medium by forming a toner image on an image carrier, transferring the toner image onto the recording medium and fixing the transferred toner image, the apparatus comprising:

a cleaning blade adapted to scrape off the residual toner adhering to the surface of the image carrier;

a brush arranged upstream relative to the cleaning blade in the direction of revolution of the image carrier and adapted to apply solid lubricant to the surface of the image carrier; and

a support member for revolvably supporting the solid lubricant and adapted to generate moment, the support member supporting the solid lubricant to come into contact with the brush due to the moment.

2. The image forming apparatus according to claim 1, wherein the support member is revolvably supported by way of a rotating shaft being parallel with the brush.

3. The image forming apparatus according to claim 1, wherein the support member includes:

a plate-shaped support section that supports the solid lubricant; and

a rotating shaft being supported by the support section and provided at a position for causing the solid lubricant to generate the moment.

4. The image forming apparatus according to claim 1, wherein the support member supports the solid lubricant to be arranged upstream in the direction of gravity of the brush, and wherein the support member supports the solid lubricant to come into contact with the brush due to the moment generated by the weight of both of the support member and the solid lubricant themselves.

5. The image forming apparatus according to claim 1, wherein the support member supports the solid lubricant and includes a hole being provided at a position for causing the solid lubricant to generate the moment, the hole receiving and revolvably supporting a rotating shaft.

6. The image forming apparatus according to claim 1, wherein the support member is provided with a twisted coil spring in order to increase the moment.

7. The image forming apparatus according to claim 1, wherein a press spring is provided to press the support member so as to increase the moment.

8. The image forming apparatus according to claim 1, wherein a weight is fixed on the support member so as to increase the moment.

9. An image forming apparatus adapted to form a fixed toner image on a recording medium by forming a toner image on an image carrier, transferring the toner image onto the recording medium and fixing the transferred toner image, the apparatus comprising:

cleaning means for scraping off the residual toner adhering to the surface of the image carrier;

lubricant-applying means, being arranged upstream relative to the cleaning means in the direction of revolution of the image carrier, for applying solid lubricant to the surface of the image carrier; and

supporting means for revolvably supporting the solid lubricant and adapted to generate moment, the supporting means supporting the solid lubricant to come into contact with the lubricant-applying means due to the moment.

10. The image forming apparatus according to claim 9, wherein the lubricant-applying means has a rotating shaft, and

wherein the supporting means is revolvably supported by way of the rotating shaft being parallel with the lubricant-applying means.

11. The image forming apparatus according to claim 9, wherein the supporting means includes:

a plate-shaped support section that supports the solid lubricant and

a rotating shaft being supported by the support section and

provided at a position for causing the solid lubricant to generate the moment.

12. The image forming apparatus according to claim 9, wherein the supporting means supports the solid lubricant to be arranged upstream in the direction of gravity of the lubricant-applying means, and

wherein the supporting means supports the solid lubricant to come into contact with the lubricant-applying means due to the moment generated by the weight of both of the supporting means and the solid lubricant themselves.

13. The image forming apparatus according to claim 9, wherein

the supporting means supports the solid lubricant and includes a hole being provided at a position for causing the solid lubricant to generate the moment, the hole receiving and revolvably supporting a rotating shaft.

14. The image forming apparatus according to claim 9, wherein the supporting means is provided with means for increasing the moment.

15. A cleaning unit for applying to an image forming apparatus to form a toner image on a recording medium by forming a toner image on an image carrier, transferring the toner image onto the recording medium comprising:

cleaning means for cleaning the residual toner on the image

carrier, said cleaning means contacting the image carrier;

support means having a rotate member for rotating said support means, said support means having a holding member for holding a solid lubricant; and

brush means, contacting the solid lubricant and the image carrier, for supplying a piece of the sold lubricant on the image carrier.

16. The cleaning unit according to claim 15, wherein the support means is revolvably supported by way of a rotating shaft being parallel with the brush means.

17. The cleaning unit according to claim 15, wherein the support means includes:

a plate-shaped support section that supports the solid lubricant; and

a rotating shaft being supported by the support section and provided at a position for causing the solid lubricant to generate the moment.

18. The cleaning unit according to claim 15,

wherein the support means supports the solid lubricant to be arranged upstream in the direction of gravity of the brush means, and

wherein the support means supports the solid lubricant to come into contact with the brush means due to the moment generated by the weight of both of the support means and the solid lubricant themselves.

19. The cleaning unit according to claim 15, wherein the support means supports the solid lubricant and includes a hole being provided at a position for causing the solid lubricant to generate the moment, the hole receiving and revolvably supporting a rotating shaft.

20. The cleaning unit according to claim 15, wherein the support means is provided with means for increasing the moment.